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Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	TI-35081
First Inventor	David J. Lov
Title	L-w-Complexity High Performance Decoder And Method Of Decoding For Communications Systems Using Multidimensional Signaling
Express Mail Label No.	EU327637372US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><i>(Submit an original, and a duplicate for fee processing)</i>                                      | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  |
| 2. <input type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27.   | 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br><i>(if applicable, all necessary)</i>                                  |
| 3. <input checked="" type="checkbox"/> Specification<br><i>(preferred arrangement set forth below)</i>  | a. <input type="checkbox"/> Computer Readable Form (CRF)   |
| - Descriptive title of the Invention  | b. <input type="checkbox"/> Specification Sequence Listing on:   |
| - Cross Reference to Related Applications   | i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or  |
| - Statement Regarding Fed sponsored R & D   | ii. <input type="checkbox"/> Paper   |
| - Reference to sequence listing, a table, or a computer program listing appendix  | c. <input type="checkbox"/> Statements verifying identity of above copies  |
| - Background of the Invention   |  |
| - Brief Summary of the Invention  |  |
| - Brief Description of the Drawings ( <i>if filed</i> )   |  |
| - Detailed Description  |  |
| - Claim(s)  |  |
| - Abstract of the Disclosure  |  |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113)   | [ Total Sheets 3 ]   |
| 5. Oath or Declaration  | [ Total Pages 1 ]  |
| a. <input checked="" type="checkbox"/> Newly Executed (original or copy)  | 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documents(s))  |
| b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br><i>(for continuation/divisional with Box 18 completed)</i>  | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement<br><i>(when there is an assignee)</i>  |
| i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s)<br>named in the prior application, see 37 CFR<br>1.63(d)(2) and 1.33(b). | <input checked="" type="checkbox"/> Power of Attorney  |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76   | 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i>   |
|   | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449   |
|   | 13. <input type="checkbox"/> Preliminary Amendment   |
|   | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><i>(Should be specifically itemized)</i>                                 |
|   | 15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><i>(if foreign priority is claimed)</i>   |
|   | 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122<br>(b)(2)(B)(i). Applicant must attach form PTO/SB/35<br>or its equivalent. |
|   | 17. <input type="checkbox"/> Other.  |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS** Customer Number or Bar Code Label

23494

(Insert Customer No. or Attach bar code label here)

or  Correspondence address below

NAME	Texas Instruments Incorporated		
ADDRESS			
CITY	STATE	TX	ZIP CODE
COUNTRY	TELEPHONE	(972) 917-5633	FAX (972) 917-4418
Name (Print/Type)	Dwight N. Holmbo	Registration No. (Attorney/Agent)	Reg. No. 36,410
Signature	Dwight N. Holmbo	Date	08/20/03

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

03942 U.S. PTO  
10/644546

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# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT

(\$ 964.00)

C mpt te If Kn wn

TBD

Filing Date August 20, 2003

First Named Inventor David J. L ve

TBD

Examiner Name

TBD

Group Art Unit

TI-35081

Attorney Docket No.

## METHOD OF PAYMENT (check all that apply)

1.  The Commissioner is hereby authorized to charge to the following Deposit Account.

Deposit Account Number 20-0668

Deposit Account Name Texas Instruments Incorporated

- Charge any additional fee required or credit any overpayment  Charge all indicated fees and any additional fee required or credit any overpayment

2.  Payment Enclosed:

 Check  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	\$750
1002	330	2002	165	Design filing fee	\$
1003	520	2003	260	Plant filing fee	\$
1004	750	2004	375	Reissue filing fee	\$
1005	160	2005	80	Provisional filing fee	\$
SUBTOTAL (1)					(\$750.00)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	25	-20** = 5	x 18	= 90
Independent Claims	4	-3** = 1	x 84	= 84
Multiple Dependent			280	= 0

\*\*or number previously paid, if greater; For Reissue, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent Claims in excess of 3
1203	280	2203	140	Multiple dependent claims in excess of 3
1204	84	2204	42	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$174.00)

## 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension of time within second month	
1253	930	2253	465	Extension of time within third month	
1254	1,450	2254	725	Extension of time within fourth month	
1255	1,970	2255	985	Extension of time within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee for provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt.	
8021	40	8021	40	Recording each patent assignment per property (time number of properties)	\$40
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

\$40

Complete (if applicable)

SUBMITTED BY

Typed or Printed Name

Dwight N. Holmbo

Reg. Number 36,410

Signature

Date

08/20/2003

Deposit Account User ID N/A

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231